

Rouse Hill Wastewater Treatment Plant

2017-18 Pollution monitoring yearly limit summaries



EPL 4965

Summary period: 01-07-2017 to 30-06-2018

Date published: 14-09-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 4 Site code RH0004		Point description: Outlet of the dechlorination tanks						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	every 6 days	60	<2	2	4	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	100	100	50	100	yes
faecal coliforms	CFU/100mL	every 6 days	61	<1	22	50	<1	yes
nitrogen (ammonia)	mg/L	every 6 days	60	0.01	2.85	1	0.02	yes
nitrogen (total)	mg/L	every 6 days	60	4.74	9.92	10	6.05	yes
phosphorus (total)	mg/L	every 6 days	60	0.01	0.04	0.2	0.02	yes
total suspended solids	mg/L	every 6 days	60	<2	3	5	<2	yes

80 percentile yearly summary								
EPA Point 4 Site code RH0004		Point description: Outlet of the dechlorination tanks						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days	61	<1	22	200	<1	yes

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90 percentile yearly summary								
EPA Point 4 Site code RH0004	Point description: Outlet of the dechlorination tanks							
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
aluminium	ug/L	monthly	12	57	204	7,300	185	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	60	<2	2	5	<2	yes
chlorine (total residual)	mg/L	every 6 days	61	<0.04	0.04	0.1	<0.04	yes
cobalt	ug/L	monthly	12	0.2	0.4	2.6	0.4	yes
copper	ug/L	monthly	12	2.1	4.7	1,300	4.5	yes
cyanide	ug/L	monthly	12	<5	<5	195	<5	yes
iron	ug/L	monthly	12	17	47	740	36	yes
nitrogen (ammonia)	mg/L	every 6 days	60	0.01	2.85	2	0.15	yes
nitrogen (total)	mg/L	every 6 days	60	4.74	9.92	15	7.42	yes
phosphorus (total)	mg/L	every 6 days	60	0.01	0.04	0.4	0.02	yes
total suspended solids	mg/L	every 6 days	60	<2	3	8	<2	yes
zinc	ug/L	monthly	12	17	23	230	22	yes

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Average yearly summary								
EPA Point 4 Site code RH0004		Point description: Outlet of the dechlorination tanks						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	57	204	380	108	yes
cobalt	ug/L	monthly	12	0.2	0.4	1.7	0.3	yes
copper	ug/L	monthly	12	2.1	4.7	58	4	yes
cyanide	ug/L	monthly	12	<5	<5	22	<5	yes
iron	ug/L	monthly	12	17	47	410	23	yes
zinc	ug/L	monthly	12	17	23	62	20	yes